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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,789	11/20/2003	Brad Robinson	55860/101/101	8601
7590	06/02/2004		EXAMINER	
Edward L. Schwarz NAWROCKI, ROONEY & SIVERTSON, P.A. Suite 401, Broadway Place East 3433 Broadway Street Northeast Minneapolis, MN 55413				WRIGHT, ANDREW D
		ART UNIT		PAPER NUMBER
		3617		
DATE MAILED: 06/02/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/717,789	ROBINSON, BRAD
	<b>Examiner</b> Andrew Wright	<b>Art Unit</b> 3617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-19 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-15 is/are allowed.
- 6) Claim(s) 16-19 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | Paper No(s)/Mail Date. ____ .   |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>03/05/2004</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: ____ .                                   |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Antrim (“Antrim 27 Designer’s Comments”, <http://www.antrimdesign.com/a27index.html>, internet publication date established by <http://www.archive.org/> as at least as early as October 12, 2002.) Antrim shows a sailboat with a bowsprit. The bowsprit is elongate and moveable between a retracted position (figure 2, labeled by the examiner) and an extended position (figures 1 and 3). As seen in figure 2, in the retracted position the forward end of the bowsprit is near the forward end of the sailboat. As seen in figures 1 and 3, in the extended position the forward end of the bowsprit is forward of the forward end of the hull and is substantially further above the waterline than portions of the hull that are in contact with the waterline. The support system for the bowsprit is contained within the plan-view perimeter of the hull. The bowsprit may articulate through an angle of 60° in the extended position. Therefore the extended position can be at a predetermined articulation angle, and that angle is at least 20°, 25°, and 30° greater than the angle of the bowsprit in the retracted position.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mitchell et al. (Us 6,189,471) in view of Chapman (Us 5,176,401). Mitchell shows a retractable bowsprit (360) in figure 17. Bowsprit (360) slides through sleeve (not numbered) which is shown attached to the hull of the sailboat at the bow. Mitchell does not disclose low friction tape attached to the bowsprit surface. It is well known and common to provide friction-reducing elements, such as bushings and tapes, to surfaces that support sliding contact. Chapman shows a telescoping pole arrangement in which internal member (70) can slide in and out of external member (40). Chapman teaches that low-friction tape (60) is provided on the outside surface of internal member (70). Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Mitchell by applying a low-friction tape to the surface of the bowsprit (360). The motivation would be to provide for smoother sliding by reducing friction between the bowsprit and sleeve.

***Allowable Subject Matter***

5. Claims 1-15 are allowed.

6. The following is an examiner's statement of reasons for allowance: the prior art does not teach or suggest the claimed combination specifically comprising the

positioner mounted on the sailboat bottom at the bow and the support element mounted above and forward of the positioner and in supportive connection to the bowsprit between the bowsprit ends.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Dowrick ('010) shows a toy boat with a hull and sleeve (53) that bowsprit (42) can slide within. Hultgren ('447) shows an extendable bowsprit. Hammarstedt ('498, provided by applicant) shows an extendable bowsprit.

8. Any inquiry concerning this communication should be directed to examiner Andrew D. Wright at telephone number (703) 308-6841. The examiner can normally be reached Monday-Friday from 9:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, S. Joe Morano, can be reached at (703) 308-0230. The fax number for official communications is 703-872-9306. The fax number directly to the examiner for unofficial communications is 703-746-3548.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Andrew D. Wright  
Patent Examiner  
Art Unit 3617

*APR 5/26/07*